

Subject: INFO-HAMS Digest V89 #910
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

INFO-HAMS Digest Mon, 20 Nov 89 Volume 89 : Issue 910

Today's Topics:

2-element beam info needed
2M HT's and Aviation Headsets
42 millihertz (mHz)
A mobile vhf kilowatt
Anyone ever heard of "begohms" ?? (2 msgs)
Mexico operating
Military aircraft callsigns...Eugene Balinski

Date: 21 Nov 89 02:42:13 GMT
From: deimos.cis.ksu.edu!harris.cis.ksu.edu!mac@uunet.uu.net (Myron A. Calhoun)
Subject: 2-element beam info needed

Someone recently gave me a very old and partially DISassembled
2-element beam and said it was supposed to be a three-band beam.

A knowledgeable ham friend said he thought it was made by SWAN.

Does anyone have any specifications or instructions on how to
re-assemble AND TUNE any SWAN 2-element 20-15-10-meter beam.

I need help!
--Myron, W0PBV.
--

Myron A. Calhoun, PhD EE, W0PBV, (913) 532-6350 (work), 539-4448 (home).
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BITNET: mac@ksuvax1.bitnet
UUCP: ...{rutgers, texbell}!ksuvax1!harry!mac

Date: 20 Nov 89 23:21:06 GMT
From: zephyr.ens.tek.com!tekcr1!tekgvs!tekirl!georgep@uunet.uu.net (George Pubanz)
Subject: 2M HT's and Aviation Headsets

As a new ham (actually returning after a 25 year haitus) I am about to
buy some equipment. First on the agenda is a 2M HT. I've narrowed my scope
to two Yaesu units the FT-411 and the FT-470. I'm favoring the 470 because
of the dual band capability but there was a posting on this group some time
ago about microphonics especially, as I recall, when operating cross-band.
I haven't seen any more discussion of this and I would be interested in

further information from the original poster or others who have good/bad experiences with either of these units.

My second inquiry regards the use of aviation headsets with a 2M HT. There is a problem with impedance match between the HT output (nominally 8 ohms) and the headphone (150 - 600 ohms). The HT specs. a 2000 ohm mic. and the DC m-4 electret works from 220 to 2200 ohms and also requires a DC supply voltage of 8 to 16 volts. I haven't found anything in the Yaesu specs. about supplying a DC bias for the mic. Has anyone made this connection already? I am interested in a small, simple and robust interface. I can wind my own transformer if I have to but that's not very efficient and I would like to avoid the use of a battery if possible.

Please E-mail responses to georgep@tekirl.LABS.TEK.COM and I will post a summary to the group if there is enough interest.

Thanks,
George

Date: 21 Nov 89 02:07:42 GMT
From: zephyr.ens.tek.com!tekctrl!tekgvs!jans@uunet.uu.net (Jan Steinman)
Subject: 42 millihertz (mHz)

<Universally accepted multiplier prefixes for units are:>

you forgot:

Factor	Prefix	Symbol
10**18	exa	E
10**15	pita	P

Jan Steinman - N7JDB
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Date: Mon, 20 Nov 89 13:58 EST
From: Chuck Rothauser <CHR%UTRC%utrcgw.utc.com@RELAY.CS.NET>
Subject: A mobile vhf kilowatt

Greetings,

Since I have moved into a condo, I have been thinking about running a kilowatt out of my van..... some problems I have thought of are:

- o the power source - perhaps 5 or 6 car batteries connected in series.
- o bypass the ac input to the amplifier.
- o protective inclosure for the batteries and amplifier.
- o mounting hf and vhf transceivers - perhaps vertically.

That enough for a start..... comments please!

Chuck Rothauser
K1QKZ

Date: Mon, 20 Nov 89 17:45:28 CST
From: rlwest@flop2.csc.ti.com (Bob West - WA8YCD - DSEG/HRD Computer Systems Training - MSG HRD1 - 995-1908)
Subject: Anyone ever heard of "begohms" ??

Reference recent postings discussing UNITS

I have a rather yellowed and crumbling "Webster's New Collegiate Dictionary" Copyright (c) 1956 by G. & C. Merriam Co., which has on page 78, right-hand column, about 8th entry from the bottom,

beg'ohm (...), n. Elec. A unit of resistance equal to one billion ohms, or one thousand megohms.

that's one I never heard about in school... interesting.

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Date: 21 Nov 89 00:31:17 GMT
From: claris!sts!cohesive!ballard@apple.com (John Ballard)
Subject: Mexico operating

I was in Mexico last year as the skipper of a sailboat which was equipped with ham radio. The procedure for getting a Mexican ham license is as follows:

- 1) get your mexican tourist card. (necessary for travel in Mexico)
- 2) Make a copy of your US ham license.
- 3) Get a letter of sponsorship from a Mexican ham.
- 4) Take all of the above to the SCT office in a state capital.
(SCT = Secretary of Communications and Transportation)
The SCT controls Radio, TV and Bus service.
If you are going to Baja, the state capitals are Mexicali for Baja California Norte, and LaPaz for Baja California Sur. If you go anywhere else besides a capital you will not be able to get your license the same day as the paperwork must be sent to the state capital.
- 5) The SCT will give you a form to take to the Hacienda (the people who take your money) where the fee will be collected. \$25-\$35 depending on where you go. The Hacienda will stamp the form which then must be taken back to the SCT office. The SCT will issue you a callsign on the spot. They look up available callsigns on greenbar computer printouts and scratch off the one that they assign to you. There seems to be a pool of callsigns assigned to each state.

P.S. The Hacienda collects money for all government agencies, and they are never located near the agency that you are going to which requires a taxi ride. Taxis are regulated by the SCT also.

When I went to get my license I did not have a letter from a Mexican ham, the gentleman in the SCT office told that he would issue me a license this time without the letter but that I should have it with me when I came back for renewal. The license is good for the duration of you tourist card. This is usually six months but I heard that they would issue two year tourist cards for transiting yachtsmen.

Good Luck!
John KI6PS ex XE2HVC

Date: 20 Nov 89 17:59:42 GMT
From: hpfcso!hpfcmgw!ron@hplabs.hp.com (Ron Miller)
Subject: Military aircraft callsigns...Eugene Balinski

Re: Amateur Spooks

As a former military officer, I've heard the radios on both sides of the encryption equipment. If it isn't encrypted, it isn't very interesting as a national security matter. It might only be news. (Emergency freqs are particularly interesting.)

(" Denver Center, United XXX with you at 18 thousand. "

< pause>

"Ooops")

I enjoy listening to Police, Fire, military etc.

Besides, how else are you going to know how badly screwed up the News Media get the stories :-)

Given the Communications Privacy Act of 1934, there is a long established tradition which allows this. It might even be useful in terms of understanding what the military is *really* doing

Ron Miller
NWOU

End of INFO-HAMS Digest V89 Issue #910
